

-196°C



About LabTAG's RFID Solutions

Radio-Frequency Identification (RFID) is a powerful tool used by hospitals, research facilities, and IVF labs for record keeping, access control, inventory tracking, sample and patient management, and much more. Our RFID labels are outfitted with a small, flexible RFID inlay that allows them to be applied to various surfaces. Custom RFID labels; with the ability to insert passive UHF, HF, or NFC inlays into any of our labels, RFID label solutions suited to any environment can be provided.

Labtag.com/solutions/rfid-labels-tags/





RFID NitroTAG®

Cryogenic RFID Labels For Vials & Tubes

Temperature range -196°C to +110°C (-321°F to +230°F)*

RFID NitroTAG® labels are specifically designed for extended storage under ultra-low temperature and cryogenic conditions, including in liquid nitrogen (-196°C/-321°F). Their strong permanent adhesive ensures they will stay affixed on cryo tubes & vials, as well as cryo boxes and plastic bags.



SKU#	Inches (W x H)	mm (W x H)	Available Cores	Labels/Roll	Colors Available
RF3-JTTA-29NP	1" x 1"	25.4 x 25.4	1", 3"	1,000	(WH)
RF3-JTTA-9NP	1.25" x 0.875"	31.8 x 22.2	1", 3"	1,000	(WH) (YE)
RF3-JTTA-28NP	2" x 1"	50.8 x 25.4	1", 3"	1,000	(WH)
RF3-JTTA-14NP	2" x 1.5"	50.8 x 38.1	1", 3"	750, 1,000	(WH)



RFID CryoSTUCK®

Cryogenic RFID Labels For Frozen Surfaces (Patented)

Temperature range -196°C to +100°C (-321°F to +212°F)*

Our cryo RFID labels for already frozen cryo vials and tubes have a strong adhesive and flexible UHF inlay that allow them to be applied under deep-freeze conditions (-80°C/-112°F) and stored inside liquid nitrogen tanks. They will also withstand elevated temperatures up to +100°C (+212°F), including immersion in heated water baths.



SKU#	Inches (W x H)	mm (W x H)	Available Cores	Labels/Roll
RF3-L2FSA-327NP	0.875" x 0.875" + 0.875" Wrap	22.2 x 22.2 + 22.2 Wrap	1", 3"	1,000
RF3-L2FSA-348NP	1.25" x 0.875" + 0.75" Wrap	31.8 x 22.2 + 19 Wrap	1", 3"	1,000



RFID Cryo-WrapTAG™

Cryogenic RFID Wrap-Around Labels for Vials & Tubes (Patented)

Temperature range -196°C to +100°C (-321°F to +212°F)*

RFID Cryo-WrapTAG™ labels include a reliable wrap-around feature to ensure your cryo vials are securely identified with visual and electronic information for maximum data integrity. These self-laminating labels are suitable for long-term storage in liquid nitrogen as well as in temperatures up to +100°C (+212°F).



SKU#	Inches (W x H)	mm (W x H)	Orientation	Available Cores	Labels/Roll
RF3-HBTT-308NP	1.34" x 1" + 1.38" Wrap	34 x 25.4 x 35 Wrap	Landscape	1", 3"	1,000



RFID-PlateTAG™

RFID Labels For Microplates

Temperature range -80°C to +110°C (-112°F to +230°F)*

RFID-PlateTAG™ labels are designed specifically for the identification of microplates, Petri dishes, as well as PCR/qPCR plates. These thin RFID labels have an integrated UHF inlay, suitable for real-time tracking and inventory of multiple plates, perfect for use in high-throughput screening applications.



SKU#	Inches (W x H)	mm (W x H)	Available Cores	Labels/Roll
RFP-550NP	2.5" x 0.24"	64 x 6	1", 3"	500, 1,000
RFPA-550NP	2.5" x 0.24"	64 x 6	1", 3"	500, 1,000



RFID XyliTUFF™

Xylene & Chemical-Resistant RFID Labels

Temperature range -80°C to +120°C (-112°F to +248°F)*

RFID XyliTUFF labels are xylene and chemical-resistant, made to withstand exposure to harsh chemicals and solvents. Intended for use on flat surfaces, they will resist up to 15 hours of xylene immersion. Ideal for histology and other applications where visual and electronic data requires chemical resistance for maximum traceability and tracking.



SKU#	Inches (W x H)	mm (W x H)	Available Cores	Labels/Roll
RF3-XAL-98NP	0.875" x 0.875"	22.2 x 22.2	1", 3"	1,000



RFID ParafiTAG™

RFID Labels for Paraffin Wax Blocks

Temperature range -55°C to +70°C (-67°F to +158°F)*

RFID ParafiTAG™ labels have a strong permanent adhesive that adheres to paraffin wax blocks, as well as other hard-to-stick surfaces such as Teflon, Polytetrafluoroethylene (PTFE), and Perfluoroalkoxy (PFA). These chemical-resistant labels are ideal for identifying Formalin-Fixed Paraffin-Embedded (FFPE) tissue blocks.



SKU#	Inches (W x H)	mm (W x H)	Available Cores	Labels/Roll
RF3-PRF-67NP	0.9375" x 0.9375"	23.8 x 23.8	1", 3"	1,000



RFID Steri-ThermoTAG™

RFID Autoclave Labels

Temperature range -60°C to +150°C (-76°F to +302°F)*

RFID Steri-ThermoTAG™ labels are designed to identify various containers and surfaces that will undergo steam and dry heat sterilization. They can withstand multiple autoclave cycles (121°C/250°F, 16.5 psi pressure, 20 minutes) and can also be used with single-use medical devices and sterilization pouches.



SKU#	Inches (W x H)	mm (W x H)	Available Cores	Labels/Roll
RF3-AUTT-28NP	2" x 1"	50.8 x 25.4	1", 3"	1,000

*Operating temperature/RFID functional temperature range: -35°C to +85°C / -31°F to +185°F



Printer

Zebra ZD621R UHF RFID Thermal-Transfer/Direct Thermal Printer - SKU #ZD621R



Print Technology: Thermal-Transfer/Direct Thermal

Print Resolution (DPI): 300

RFID Enabled: Yes (UHF EPC Gen 2 V2, ISO/IEC 18000-63 and RAIN RFID protocols)

Printer Interfaces: Ethernet, Serial, USB 2.0, USB Host, Bluetooth (BTLE5)

Print Speed: Up to 6 ips; in/sec (152 mm/sec)

LCD Screen: 4.3" full color touch with 3-button user interface

Maximum Print Width: 4.27" (108 mm)

Label Width: 0.585" – 4.65" (15 mm – 118 mm)

Label Height: 0.25" – 39" (6.4 mm – 991 mm)

Media Roll Core Diameter: 1" (25.4 mm) or 3" (76.2mm) using optional adapters

Media Roll Outer Diameter: 5" (127 mm)

Media Sensor: Full-width, moveable reflective/black mark sensor; multi-position transmissive/gap sensor

Power Cord: North America, USA*

Ribbon Standard Length: 984 ft. (300 m); 244 ft. (74 m)

Ribbon Width: 1.33" / 33.8 mm to 4.3" /109.2 mm

Ribbon Core I.D.: 300-meter ribbon (1"/25.4 mm core) or 74-meter ribbon (0.5" /12.7 mm core)

Ribbon Wound: Out

SDRAM Memory: 128 MB

Flash Memory: 256 MB



Reader

Zebra Handheld UHF RFID Reader with Tri-Function Trigger - SKU #RFD40-TC22



Operating Frequency: FCC 902-928 MHz (US) / ETSI 865-868 MHz (EU)

Operating System: Android 14, upgradeable to Android 16

Scanner Type: Imager, 1D and 2D barcodes

Style: Gun Grip

Standards Supported: EPC Class 1 Gen 2; EPC Gen2 V2

Interface: Wi-Fi 6E, Bluetooth, 5G cellular connectivity

Location Services: GPS / A-GPS

Communications: USB Type C

Memory: 8GB RAM / 128GB UFS Flash

Memory Expansion: MicroSD (2 TB Max)

Battery: 7000 mAh battery (sled) and 3800 mAh internal (mobile computer), lithium polymer

Expansion Slot: MicroSD, up to 256 GB



Custom RFID Solutions

In addition to our currently available blank, user-printable RFID labels, RFID solutions can be provided, custom printed with serialized barcodes, color logos, and encoded with alphanumeric values. We also offer full customization options to meet your specific application needs. As such, we can provide your labels fully pre-printed, or blank with only your full-color logo added. Our full customization options also include selecting any of our durable label facestocks to produce an RFID label that can withstand chemical exposure and a wide range of temperatures. From inlay and label size combination to configuration and material selections, GA International offers performant specialty labels to produce unique and dependable identification and tracking solutions.



Shop all our RFID Labels, Printers, & Readers at [Labtag.com/solutions/rfid-labels-tags](https://labtag.com/solutions/rfid-labels-tags)